

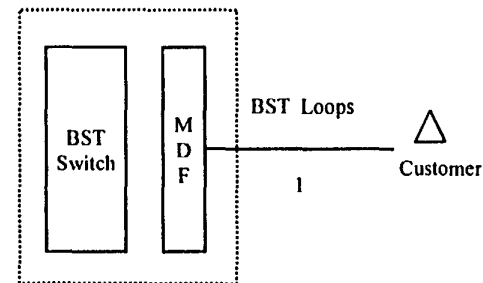
Test Scenario -

Scenario # 437: A CLEC orders a record change on 1 residential unbundled analog loop-port combination.

Scenario Description:

A CLEC orders a record change on 1 residential unbundled analog loop-port combination.

Network Configuration:



Scenario Summary:

REQTYPE	M
ACT TYPE	R
Partial Migration	
Flow-Through	X

Scenario Characteristics:

Provisioning	X
Normal Volume	X
Peak Volume	X
EDI	X
TAG	X

Test Case Requirements:

Supplement	
Errors	X
Cancel	
Directory Listing	

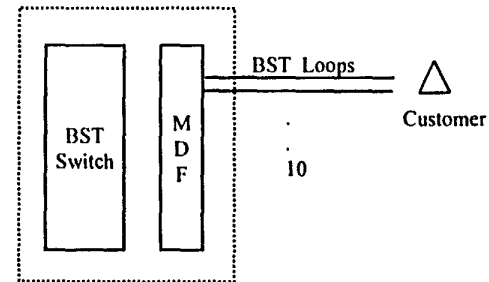
Test Scenario - UNE

Scenario # 438: A CLEC orders a suspend on 10 business unbundled analog loop-port combinations.

Scenario Description:

A CLEC orders a suspend on 10 business unbundled analog loop-port combinations.

Network Configuration:



Scenario Summary:

REQTYPE	M
ACT TYPE	SS
Partial Migration	
Flow-Through	X

Scenario Characteristics:

Provisioning	X
Normal Volume	X
Peak Volume	X
EDI	X
TAG	X

Test Case Requirements:

Supplement	X
Errors	X
Cancel	X
Directory Listing	

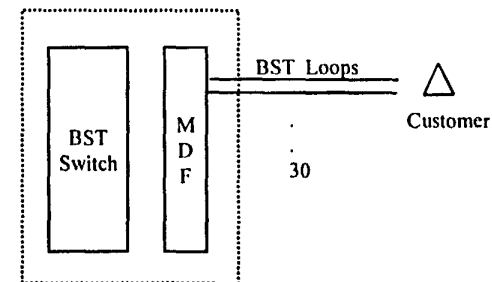
Test Scenario -

Scenario # 439: A CLEC orders a suspend on 30 business unbundled analog loop-port combinations.

Scenario Description:

A CLEC orders a suspend on 30 business unbundled analog loop-port combinations.

Network Configuration:



Scenario Summary:

REQTYPE	M
ACT TYPE	SS
Partial Migration	
Flow-Through	

Scenario Characteristics:

Provisioning	
Normal Volume	
Peak Volume	
EDI	X
TAG	X

Test Case Requirements:

Supplement	
Errors	X
Cancel	
Directory Listing	

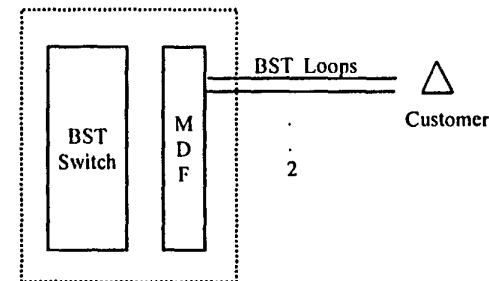
Test Scenario -

Scenario # 440: A CLEC orders a suspend on 2 residential unbundled analog loop-port combinations.

Scenario Description:

A CLEC orders a suspend on 2 residential unbundled analog loop-port combinations.

Network Configuration:



Scenario Summary:

REQTYPE	M
ACT TYPE	SS
Partial Migration	
Flow-Through	X

Scenario Characteristics:

Provisioning	X
Normal Volume	X
Peak Volume	X
EDI	X
TAG	X

Test Case Requirements:

Supplement	
Errors	X
Cancel	
Directory Listing	

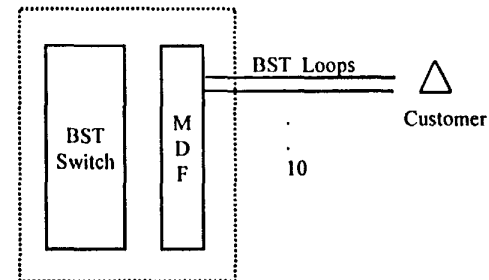
Test Scenario - UNE

Scenario # 441: A CLEC orders a restore on 10 business unbundled analog loop-port combinations.

Scenario Description:

A CLEC orders a restore on 10 business unbundled analog loop-port combinations.

Network Configuration:



Scenario Summary:

REQTYPE	M
ACT TYPE	RR
Partial Migration	
Flow-Through	X

Scenario Characteristics:

Provisioning	X
Normal Volume	X
Peak Volume	X
EDI	X
TAG	X

Test Case Requirements:

Supplement	X
Errors	X
Cancel	
Directory Listing	

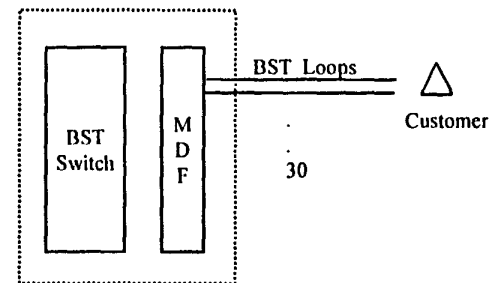
Test Scenario -

Scenario # 442: A CLEC orders a restore on 30 business unbundled analog loop-port combinations.

Scenario Description:

A CLEC orders a restore on 30 business unbundled analog-port combinations.

Network Configuration:



Scenario Summary:

REQTYPE	M
ACT TYPE	RR
Partial Migration	
Flow-Through	

Scenario Characteristics:

Provisioning	
Normal Volume	
Peak Volume	
EDI	X
TAG	X

Test Case Requirements:

Supplement	
Errors	X
Cancel	
Directory Listing	

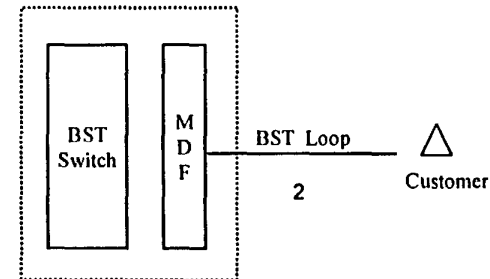
Test Scenario -

Scenario # 443: A CLEC orders a restore on 2 residential unbundled analog loop-port combinations.

Scenario Description:

A CLEC orders a restore on 2 residential unbundled analog loop-port combinations.

Network Configuration:



Scenario Summary:

REQTYPE	M
ACT TYPE	RR
Partial Migration	
Flow-Through	X

Scenario Characteristics:

Provisioning	X
Normal Volume	X
Peak Volume	X
EDI	X
TAG	X

Test Case Requirements:

Supplement	
Errors	X
Cancel	X
Directory Listing	

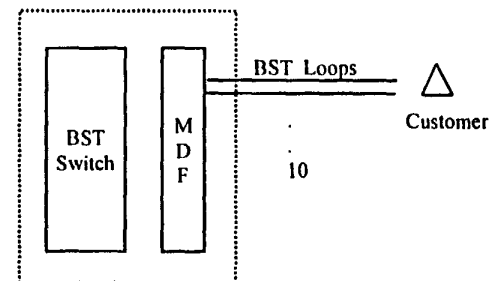
Test Scenario -

Scenario # 444: An existing CLEC customer is moving to another state. The CLEC orders BST to disconnect all 10 of its unbundled loop-port combinations.

Scenario Description:

An existing CLEC customer is moving to another state. The CLEC orders BST to disconnect all 10 of its unbundled loop-port combinations.

Network Configuration:



Scenario Summary:

REQTYPE	M
ACT TYPE	D
Partial Migration	
Flow-Through	X

Scenario Characteristics:

Provisioning	
Normal Volume	X
Peak Volume	X
EDI	X
TAG	X

Test Case Requirements:

Supplement	X
Errors	X
Cancel	X
Directory Listing	

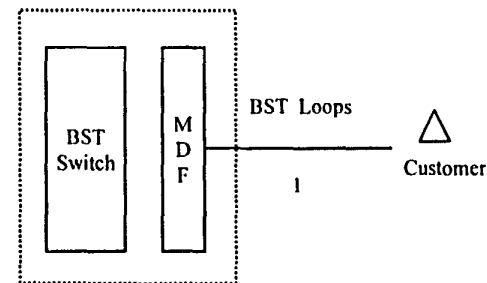
Test Scenario - UNE

Scenario # 445: An existing CLEC customer is moving to another state. The CLEC orders BST to disconnect both its unbundled loop/port combinations.

Scenario Description:

An existing CLEC customer is moving to another state. The CLEC orders BST to disconnect both its unbundled loop-port combinations.

Network Configuration:



Scenario Summary:

REQTYPE	M
ACT TYPE	D
Partial Migration	
Flow-Through	X

Scenario Characteristics:

Provisioning	
Normal Volume	X
Peak Volume	X
EDI	X
TAG	X

Test Case Requirements:

Supplement	X
Errors	X
Cancel	X
Directory Listing	

Appendix B-4

Appendix B4: Billing Scenarios

Billing Scenarios

A. Primary Categories

Billing (BLG) Scenarios were generated by applying BellSouth's OSS electronic billing/usage business rules and logical business considerations across the following primary categories:

Primary Categories	Definition
Billing/Usage Types	The types of system generated reports
Customer Types	The type of BellSouth customer (End User, CLEC, etc..)
Interface Types	The types of BellSouth interfaces to be tested
Call Types	The types of calls generated (LD, Local, Operator, etc..)

Figure B.4-I: Billing/Usage Scenario Coverage

1. Billing/Usage Types

Figure B.4-II describes the types of billing/usage reports generated by BellSouth and utilized by CLECs.

Billing/Usage	Description
CRIS/CABS	Primary billing system for POTS and UNE
ADUF	Enables a CLEC to provision its network using BellSouth UNE ports and capture the originating and terminating minutes of use (MOUs) generated when IntraLATA/interlata calls are generated from or terminated to its end user's line.
ODUF	Provides electronic billing data for billable messages which are carried over the BellSouth Network, processed in the BellSouth CRIS Billing System and billed to BellSouth CLEC customer. Also includes electronic billing data for operator-handled calls originating from CLEC subscriber lines for those CLECs who purchase Operator Services from BellSouth.
EODUF	Provides usage level data on local calls originating from the flat rate lines resold to CLEC end users

Figure B.4-II: Billing/Usage Types

2. Customer Type

The Customer Type category addresses only business and residential end users. The MTP excludes government.

B. Billing/Usage Coverage

Case	Description
501	A CLEC requests ODUF report
502	A CLEC requests ADUF report
503	A CLEC requests EODUF report
504	A CLEC contacts BellSouth and wishes to make changes to existing leased UNE Loops and/or ports. A CLEC order submitted to BellSouth before invoice cutoff, provisioned before and after.
505	A CLEC contacts Bell South and wishes to order new Loops and/or ports. The order will include new equipment required and no new equipment required. A CLEC order submitted to BellSouth before invoice cutoff, provisioned before and after.

Scenario # 501: A CLEC requests ODUF report.

Scenario Description:

A CLEC requests ODUF report

Network Configuration:

NA

Scenario Characteristics:

Provisioning	X
Normal Volume	
Peak Volume	
CRIS/CABS	X
ADUF/ EODUF/ EDUF	X

Test Case Requirements:

Supplement	
Errors	X
Cancel	
Directory Listing	

Scenario # 502: A CLEC requests ADUF report.

Scenario Description:

A CLEC requests ADUF report

Network Configuration:

NA

Scenario Characteristics:

Provisioning	X
Normal Volume	
Peak Volume	
CRIS/CABS	X
ADUF/ EODUF/ EDUF	X

Test Case Requirements:

Supplement	
Errors	X
Cancel	
Directory Listing	

Scenario # 503: A CLEC requests EODUF report.

Scenario Description:

A CLEC requests EODUF report

Network Configuration:

NA

Scenario Characteristics:

Provisioning	X
Normal Volume	
Peak Volume	
CRIS/CABS	X
ADUF/ EODUF/ EDUF	X

Test Case Requirements:

Supplement	
Errors	X
Cancel	
Directory Listing	

Scenario # 504: A CLEC contacts BellSouth and wishes to make changes to existing CLEC leased UNE loops and/or ports. A CLEC order submitted to BellSouth before invoice cutoff, provisioned before and after.

Scenario Description:

A CLEC contacts BellSouth and wishes to make changes to existing CLEC leased UNE loops and/or ports. A CLEC order submitted to BellSouth before invoice cutoff, provisioned before and after.

Network Configuration:

NA

Scenario Characteristics:

Provisioning	X
Normal Volume	
Peak Volume	
CRIS/CABS	X
ADUF/ EODUF/ EDUF	X

Test Case Requirements:

Supplement	
Errors	X
Cancel	
Directory Listing	

Scenario # 505: A CLEC contacts BellSouth and wishes to order new Loops and/or ports. The order will include new equipment required and no new equipment required. A CLEC order submitted to BellSouth before invoice cutoff, provisioned before and after.

Scenario Description:

A CLEC contacts BellSouth and wishes to order new Loops and/or ports. The order will include new equipment required and no new equipment required. A CLEC order submitted to BellSouth before invoice cutoff, provisioned before and after.

Network Configuration:

NA

Scenario Characteristics:

Provisioning	X
Normal Volume	
Peak Volume	
CRIS/CABS	X
ADUF/ EODUF/ EDUF	X

Test Case Requirements:

Supplement	
Errors	X
Cancel	
Directory Listing	

Appendix B-5

Appendix B5: M & R Scenarios

Maintenance & Repair Scenarios

A. Primary Categories

Maintenance & Repair (M&R) Scenarios were generated by applying BellSouth's OSS electronic ordering business rules and business logic across the following primary categories:

<i>Primary Categories</i>	<i>Definition</i>
1. Products and Services	The products and services which cause trouble reports.
2. Trouble Types	The type of trouble reported by the customer
3. Customer Types	The type of end user account linked to an order.
4. Interface Types	The type of BellSouth interface to be tested.

Figure B5-I: Maintenance & Repair Scenario Coverage

1. Products and Services

Figure B5-II lists the individual products covered in the functionality test per the Product Selection analysis described in Appendix A of this Test. A statistically and functionally representative sample of resale and UNE trouble test cases, including error conditions, will be tested at volumes.

<i>Products to be Tested for Maintenance & Repair</i>
UNE Loops
2-Wire Analog Designed Loops
2-Wire Analog Non-Designed Loops
4-Wire Analog Designed Loops
4-Wire Analog Designed Loops
4-Wire ISDB Loops
4-Wire DS-1 Loops
UNE Port
Analog Port
Digital Port
UNE Loop-Port
2-Wire Analog Loop-Port Combination
4-Wire Analog Loop-Port Combination
2-Wire Analog Loop-Port Combination
4-Wire Analog Loop-Port Combination
Loop-Dedicated Interoffice Transport Combination
Resale
Simple Resale
ISDN-BRI
Analog PBX DID Trunk
Synchronet

Figure B5-II: Products to be Tested for Maintenance & Repair

2. Trouble Types

Figure B5-III describes the types of trouble reports that will be entered into the TAFI and ECTA interfaces.

<i>Trouble Type</i>	<i>Description</i>
Dialtone Problems	Dialtone trouble includes: inability to originate and/or receive calls, no dialtone at times, slow dialtone, and dialtone after dialing.
Transmission Problems	Transmission trouble includes interference or poor sound quality while originating or receiving calls.
Feature Problems	Feature trouble includes problems with customer's features. * TAFI can also process service verification requests by comparing information on the CSR with what is programmed in the switch, including calling plans, features and PIC. ECTA only allows the CLEC to "enter" a trouble report for subsequent manual processing
Switched Network Problems	Switched network problems include trouble related to the switch.
Data Problems	Data trouble specifies problems with sending and receiving data.
Other	Other trouble type includes historical reports, information and non-categorized problems. Physical problems are labeled as "other" in Figure B5-IV.

Figure B5-III: M&R Trouble Types

3. Customer Type

The Customer Type category addresses only business and residential end users. The Test excludes government.

4. Interface Type

BellSouth offers two interfaces for CLEC maintenance & repair issues: ECTA and TAFI. In many cases, both ECTA and TAFI will be tested using the same scenario.

B. Test Case Definition (Secondary Requirements)

Additional requirements or variables will be introduced below the test scenario level in order to define individual test cases. These secondary requirements will address designed

errors (e.g., invalid entries), cancels and repeat troubles. In addition, timing associated with trouble reports on new installations will vary at the test case level.

Note: TAFI processes non-designed, telephone number based, Plain Old Telephone Service (POTS). Because unbundled ports and unbundled loop - port combos are handled in the same manner as a POTS line for maintenance and repair, non-designed UNEs can be entered through TAFI. Unbundled Loops and designed UNEs, on the other hand, will not be entered via TAFI.

Note: ECTA will enter both POTS troubles in LMOS and 'designed' service troubles in WFA for subsequent manual processing. With the deployment of ECTA Release 5.0 (due 6/21/99), ECTA will enter non-designed UNE Loop (SL-1) troubles in LMOS.

C. Maintenance & Repair Coverage

The following table illustrates coverage of the maintenance & repair scenarios along the four primary categories described above.

	Scenario Description	Product Type				Trouble Type						Customer		Interface	
		Analog UNEs (Loop, Port, Loop/Port Combo)	Digital UNEs (Loop, Port, Loop/Port Combo)	Analog Resale	Digital Resale	Dialing Problems (No Dialtone, Outgoing Call Incoming Calls)	Transmission Problems	Feature Problems	Switched Network Problems	Data Problems	Other	Bus	Res	TAFI	ECTA
Analog UNE Loop															
601	CLEC reports unbundled designed analog loop trouble to BST on behalf of CLEC business customer who cannot receive or make calls.	X				X						X			X
602	CLEC reports unbundled designed analog loop trouble to BST on behalf of CLEC residential customer who cannot make or receive calls.	X				X							X		X
603	CLEC reports unbundled designed analog loop trouble to BST on behalf of CLEC business customer who cannot originate calls.	X				X						X			X
604	CLEC reports unbundled designed analog loop trouble to BST in regard to CLEC residential customer complaint that they cannot originate calls.	X				X							X		X
605	CLEC reports unbundled designed analog loop trouble to BST in response to CLEC business customer complaint that although they can originate calls, they cannot receive calls.	X				X						X			X
606	CLEC reports trouble on an unbundled designed analog loop to BST on behalf of CLEC residential customer who cannot receive calls.	X				X							X		X
607	CLEC submits trouble report on an unbundled designed analog loop to BST on behalf of a CLEC business customer who complains about noise on the lines.	X					X					X			X

	Scenario Description	Product Type				Trouble Type						Customer		Interface	
		Analog UNEs (Loop, Port, Loop/Port Combo)	Digital UNEs (Loop, Port, Loop/Port Combo)	Analog Resale	Digital Resale	Dialing Problems (No Dialtone, Outgoing Call Incoming Calls)	Transmission Problems	Feature Problems	Switched Network Problems	Data Problems	Other	Bus	Res	TAFI	ECTA
608	CLEC submits trouble report on unbundled designed analog loop to BST in response to CLEC residential customer's complaints of crosstalk.	X					X						X		X
Digital UNE Loop															
609	CLEC reports line failure on unbundled digital loop to BST.		X			X						X			X
610	CLEC reports line failure to BST on unbundled designed DSO loop.		X			X							X		X
611	CLEC reports trouble on four unbundled designed digital loops to BST in regard to CLEC business customer complaint that they cannot originate calls.		X			X						X			X
612	CLEC reports trouble on unbundled designed digital loop to BST on behalf of residential customer who cannot originate calls.		X			X							X		X
613	CLEC reports trouble on unbundled designed digital loop to BST on behalf of small CLEC business customer who cannot receive calls.		X			X						X			X
614	CLEC reports trouble on unbundled designed digital loop to BST on behalf of small CLEC residential customer who cannot receive calls.		X			X							X		X
615	CLEC reports high bit error-rates on two unbundled designed DSO loops to BST in response to CLEC business customer complaint.		X							X		X			X
616	CLEC submits trouble report on unbundled digital loop to BST in response to CLEC residential customer complaint of poor throughput on ISDN line.		X							X			X	X	X
Analog Loop - Port UNE Combination															
617	CLEC submits trouble report on two unbundled analog loop - port combinations to BellSouth in response to CLEC business customer report of NDT on two of five lines.	X				X						X		X	X